	ı	length\$2))) and (inclinat\$6 slope slant\$4 tilt\$4 bank pitch		
	IBM TDB	calculats4 or approximats4 or determins4 or obtains4) near4 (distans4 or calculats4 סר measury. כב		-
	US-PGPUB;	detect\$3 (charg\$3 near couple\$3 near device\$2))) same(_
2004/04/13 16:40	USPAT;	cruck	36	1
	ı	lant\$4 or tilt\$4 or bank or pitch or roll\$4))		
	IBM TDB	t\$4 or determin\$4 or obtain\$4) near4		
	EPO; JPO;	4 part\$6) near4 (imag\$3))) same ((estimat\$4 or meas		
	US-PGPUB;	detect\$3 (charg\$3 near couple\$3 near device\$2))) same((
2004/04/13 16:40	USPAT;	(((car\$2 automobile auto truck bus van vehicle\$2) same (camera\$2 ccd	2	ı
	ı	length\$2))		
	IBM TDB	4 or approximat\$4 or determin\$4 or obtain\$4) near4 (di		
	EPO; JPO;	4 part\$6) near4 (imag\$3))) same ((estimat\$4 or meas	-	
	US-PGPUB;	detect\$3 (charq\$3 near couple\$3 near device\$2)		
2004/04/13 16:3	USPĀT;	(((car\$2 automobile auto truck bus van vehicle\$2) same (camera\$2 ccd	66	1
	IBM TDB	tch roll\$4)		-
	EPO; JPO;	near4 (imag\$3))) same (inclinat\$6 slope s		
	US-PGPUB;	detect\$3		-
2004/04/13 16:40	USPAT;	(((car\$2 automobile auto truck bus van vehicle\$2) same (camera\$2 ccd	63	1
	IBM_TDB			
	EPO; JPO;	near4 (imag\$3))		
	US-PGPUB;	2 detect\$3 (charg\$3 near couple\$3 near device\$2))) s		
2004/04/13 16:35	USPAT;	(D)	1517	ı
		<pre>(charg\$3 near couple\$3 near device\$2))</pre>		
2004/04/13 16:34	USPAT	tomobile auto truck bus van vehicle\$2)	191326	ı
		"5430810" "5442552" "5621460"		
		"5163002" "5207739" "5279068" "5357432"		
		"4868752" "4918441" "4967362" "5040116"		
		"4515221" "4528804" "		-
2004/04/13 15:41	USPAT	("Re34080" "3834036" "4165796" "4211921" "4298084" "4366756"	29	I
2004/04/13 15	USPĀT	6278918.URPN.	2	1
	IBM TDB			
	EPO; JPO;			
	US-PGPUB;			_
2004/04/12 14:57	USPĀT;	6683969.pn.		1
	IBM TDB			
	EPO; JPO;			
	US-PGPUB;	7		
2004/04/12 14:57	USPAT;	6658137.pn.		l
	IBM TDB			
	EPO; JPO;			
	US-PGPUB;			
2004/04/12 14:55	USPAT;	farm\$4 and crop\$4 and vehicl\$4 and camera\$3 and road	٥	ı

ı	1	1	
Þ	P	35	<u>ب</u> در
5026153.pn. and (stor\$4 memor\$4)	or US-624747-\$).did. or (US-638551 or US-6487303-\$ or Or US-6487303-\$ or Or US-6487303-\$ or Or US-6485983-\$).did. or (US-638551 or US-4769700-\$ or US-5253050-\$ or Or US-5223907-\$ or US-5253050-\$ or Or US-6624747-\$).did. or (US-200200).did. or (JP-02296068-\$ or JP-09128 \$).did.) and (compar\$4 match\$4 correand (display\$3 monitor\$3 screen\$4)	US-6445983-\$).did. or (US-6385515-\$ or US-628 US-4769700-\$ or US-5969969-\$ or US-5699149-\$ US-5223907-\$ or US-5253050-\$ or US-5107293-\$ US-6624747-\$).did. or (US-20020048610-\$).did. id. or (JP-02296068-\$ or JP-09128680-\$ or did. id. or (JP-02296068-\$ or JP-09128680-\$ or US-5757287-\$ or US-5680313-\$ or US-6285393- US-5386285-\$ or US-5026153-\$ or US-6067110-\$ US-6493458-\$ or US-6509962-\$ or US-6212471-\$ US-5426571-\$ or US-6509962-\$ or US-6722477-\$ US-5426571-\$ or US-5802855-\$ or US-6350666-\$	or US-5/5/28/-> or US-502 or US-5386285-\$ or US-502 or US-6493458-\$ or US-650 or US-5426571-\$ or US-472 or US-5635922-\$ or US-589 or US-5075772-\$ or US-648
US-PGPUB; EPO; JPO; IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM_TDB	USPAT;	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	US-PGPUB; EPO; JPO
2004/04/21 16:42	2004/04/14 16:12	2004/04/14 16:12	2004/04/14 15:24
5: 4 2	5: 12	5: 1 2	24

	1		ı	ı	1 1 1	1	1	ł	ı	ı	ı	1
	450	н	52	ഗ	5 20 13	23	35481	719532	27	90	9	221
couple) near4 (sensor or detector or camera or ccd or (charged adj coupled adj device)))or (sensor near array))	r4 (inclinat\$5 or slope\$3 or slant\$3 or tilt\$4)) nicle same (recogniz\$4 or identif\$6)) same (((two or multiple or	((vehicle same (recogniz\$4 or identif\$6)) same ((two or multiple or couple) near4 (sensor or detector or camera or ccd or (charged adj coupled adj device)))) same ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4)	(vehicle same (recogniz\$4 or identif\$6)) same ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4) near4 (inclinat\$5 or slope\$3 or slant\$3 or tilt\$4))	(("6075874" "5243663" "6088468" "5554983" "5410349" "6125191" "599635" "6493458" "6285778" "5874904" "5675489" "5530420" "5243663").pn.) and (inclinat\$5 or slope\$3 or slant\$3 or tilt\$4)	("4539590" "4709264" "4779095" "4908704" "5026153").PN. 5214408.URPN. ("6075874" "5243663" "6088468" "5554983" "5410349" "6125191" "599635" ("6493458" "6285778" "5874904" "5675489" "5530420" "5243663").pn.	<pre>(vehicle same (recogniz\$4 or identif\$6)) same (plurality near4 (window\$3 or templat\$4))</pre>	vehicle same (recogniz\$4 or identif\$6)	vehicle	(382/104.ccls. and ((two or multiple or couple) near4 (sensor or detector or camera or ccd or (charged adj coupled adj device)))) and (inclinat\$5 or slope\$3 or slant\$3 or tilt\$4)	382/104.ccls. and ((two or multiple or couple) near4 (sensor or detector or camera or ccd or (charged adj coupled adj device)))	(382/104.ccls. and ((two or multiple or couple) near4 (sensor or detector or camera or ccd or (charged adj coupled adj device)))) and (plurality near4 (window\$3 or templat\$4))	382/104.ccls.
IBM TDB	IBM_TDB USPAT;	USPAT; US-PGPUB; EPO; JPO;	USPAT; US-PGPUB; EPO; JPO; IRM TDB	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	USPAT USPAT; USPAT; US-PGPUB; EPO; JPO;	USPAT; US-PGPUB; EPO; JPO;	IBM TDB USPAT; US-PGPUB; EPO; JPO;	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	IBM TDB USPAT; US-PGPUB; EPO; JPO;	USPAT; US-PGPUB; EPO; JPO;
	2003/05/18 15	2003/05/16 17	2003/05/16 17	2003/05/19 12	2003/05/16 16 2003/05/16 17 2003/05/16 17	2003/05/16 17	2003/05/16 16:	2003/05/16 16	2003/05/16 17	2003/05/16 17:37	2003/05/16 16	2004/04/21 16
	15:51	17:40	17:39	12:19	16:59 17:01 17:14	17:12	6:54	16:29	17:15	7:37	16:54	16:42

	IBM TDB			
	US-PGPUB; EPO; JPO;	r tilt\$4)		
2003/05/19 14:15	USPAT;	(3677094.pn. or 4662217.pn.) and (pitch or roll\$4 or inclinat\$5 or slope\$3	2	ı
	EPO; JPO;			-
2003/05/19 13:38		3677094.pn. or 4662217.pn.	2	1
	EPO; JPO;	d or street or highway or ground or freeway));		
	UB;	or obtain\$4) near4 (inclinat\$5 or slope\$3 or slant\$3 or ti		
2003/05/19 13:38	IBM TDB	((vehicle) same ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4 or	18	I
	EPO; JPO;	d or freeway))		
7002/02/18 13:20	US-PGPUB;	(vehicle) same ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4 or lilt\$4)	062	1
	В			
	EPO; JPO;	stan\$4 or lo		
2003/05/19 12:44		(((vehicle) same ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4 or	73	i
	IBM_TDB			
	EDO: JDO:	101 or obtain\$4) near4 or 100 h		
2003/05/19 13:27		same ((estimat\$4 or measur\$4 or calculat\$4 or approx.	312	1
	IBM TDB			
	EPO; JPO;	determin\$4 or obtain\$4) near4 (inclinat\$5 or slope\$3 or slant\$3 or tilt\$4))		
2003/05/19 13:39		e ((estimat\$4 or measur\$4 or calculat\$4 or	2467	1
	TRM TDB			
	UB;	or slant\$3 or tilt\$4))) same (pitch\$4 or roll\$4 or		
2003/05/19 12:40	USPAT;	((vehicle) same ((estimat\$4 or determin\$4 or obtain\$4) near4 (inclinat\$5	160	i
	EPO; JPO;			
	UB;	r slant\$3 or tilt\$4))		
2003/05/19 12:36	USPAT;	(vehicle) same (/estimat\$4 or determin\$4 or obtain\$4) near4 (inclinat\$5 or	1438	į
	EPO; JPO;	t\$5 or slope\$3 or slant\$3 or tilt\$4)		
	UB;	or camera or ccd or (charged adj coupled adj device)))) same		
2003/05/18 17:45	USPAT:	(recognized or identifes)) same		ı
-	EPO; JPO;	3)		
-	UB;	(charged adj coupled adj device)))) same (inclinat\$5 or slope\$3 or slant\$3	20	
2003/05/18 17:28	IBM TDB	eromed to rothertal to rosees (resure) omes	<u>၂</u>)
	EPO; JPO;	4)	-	
7003/03/18 1/:20	US-PGPUB;	(vehicle same ((array) near4 (sensor or detector or camera or ccd or (charged adi compled adi device)))) and (inclinat\$5 or slope\$3 or slant\$3	300	<u>'</u>
000 /07 /10 11 00	В			
	EPO; JPO;	ay))	-	
7003/03/10 1/:44	US-PGPUB;	detector or camera or ccd or (charged adj coupled adj device)))or (sensor or	154	ı
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100]

4/	
22/	
04	
1:49:29	
РM	
Pag	

1	USPAT	\vdash	_	[•
2003/05/20 16:49	USPAT	nignway or Street\$2 or Ireeway)) 17 4722547.URPN.		1
		1) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 o \$4))) same ((distan\$4 or range or length) near4 (roa		
2003/05/20 17:07	USPAT	car or automobilestimat\$4 or mea		1
		obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4))) same (recogni\$4)		
2003/05/20 16:41	USPAT	near recogni\$4) o or truck or bus or van or vehicle) near		1
		sur\$4 or calc		
2003/05/20 16:29	USPAT	0 ((car or automobile or auto or truck or bus or van or vehicle) near4	_	ı
		of detain\$4 or measur\$4 or calculat\$4 or approximat\$4 or determin\$4 or obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch		
2004/04/13 16:32	USPAT	or truck or bus or van or vehicle) near		i
		lant\$4 of	-	
2004/04/14 15:25	USPAT	((car or vehicle) near4 ((estimat\$4 or measur\$4 or calculat\$4 or	119	1
		approximat\$4 or determin\$4 or obtain\$4) near4 (inclinat\$6 or slant\$4 or tilt\$4 or bank or nitch or roll\$4))		
2003/11/17 17:01	USPAT	(car or vehicle) near4 ((estimat\$4 or measur\$4	1436	1
		r bank o	_	
2003/05/20 16:17	USPAT	- (c	1656	ı
	IBM_TDB	הדי בים לב היונהם הדירהם הדירהם הדירהם היווי הד		
	US-PGPUB;	culat\$4 or approximat\$4		
2003/05/20 12:30	USPAT;		2501	1
	EPO; JPO;	cain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or		
2003/11/17 17:00	USPĀT; US-PGPUB;	(car or automobile or auto or truck or bus or van or vehicle) same	7504	ı
	EPO; JPO; IBM TDB			
2003/05/20 10:06	USPAT; US-PGPUB;	77 382/104.ccls. and (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4)		1
	US-PGPUB; EPO; JPO;	et or freeway) near4 (inclinat\$6 or slope or slant\$4 or itch or roll\$4)		
2003/05/20 17:27	USPAT;	 	265	ı
	US-PGPUB; EPO; JPO;	slant\$4 or tilt\$4 or bank or pitch or roll\$4)		
2003/05/21 14:54	USPAT;	2 (car or automobile or auto or truck or bus) near4 (inclinat\$6 or slope or	18352	1

4/22/04 1:49:29 PM

Page 4

				ſ
	US-PGPUB; EPO; JPO; IBM TDB			
2003/11/17 16:55	IBM_TDB USPAT;	382/106.ccls.	162	ı
	US-PGPUB; EPO; JPO;			
2003/11/17 16:55	IBM_TDB USPAT;	382/103.ccls.	564	1
	EPO; JPO;			
2003/11/17 16:55	USPAT;	382/104.ccls.	263	1
	EPO; JPO;	(change\$4 or vary\$3 or variable or modily\$3 or alter\$5)	-	
2003/11/17 16:44	USPAT;	n. and (stor\$4 memor\$4) and (compar\$4	<u> </u>	1
	EPO; JPO;	nk or pitch or roll\$4)		
2004/04/13 16:36	USPAT; US-PGPUB;	<pre>(((divid\$4 or segment\$4) near2 (image)) same (car or automobile or auto or truck or bus or van or vehicle)) same (inclinat\$6 or slope or slant\$4 or</pre>	15	1
	IBM_TDB			-
	US-PGPUB;	bus or van or vehicle)		
2004/04/13 16:34	USPAT;	stope or stant34 or titt34 or bank or pitch or roll34)) ((divid34 or segment34) near2 (image)) same (car or automobile or auto or	600	ı
	EPO; JPO;	or determin\$4 or obtain		
	US-PGPUB;	bus or van or vehicle) near4 ((estimat\$4 or measur\$4 or		
2004/04/13 16:38	USPAT:	serment\$4) near? (image)) same ((car		í
	EPO; JPO;			
2003/05/20 18:05	US-PGPUB;	(divid\$4 or segment\$4) near2 (image)	25580	1
		slope or slant\$4 or tilt\$4 or bank on the or highway or street\$2 or freeway)		
2003/05/20 18:01	USPĀT	o or truck or bus or van or vehicle	46	1
	EPO; JPO; IBM TDB			
2003/05/20 17:28	USPAT; US-PGPUB;	(road or highway ot street or freeway) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4)	6422	1
		((estimat\$4 or measur\$4 or carculat\$4 or approximat\$4 or determinat or obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4))) same ((obstacle))		
2003/05/20 17:18	USPAT	le or auto or truck or bus or van or vehicl	7	1
		obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4))) same ((obstacle or object))		
2003/05/20 17:16	USPAT	or truck or bus or van or vehicl	117	1
		or roll\$4))) same ((road or lane or highway or street\$2 or freeway))		_
2000/00/20 ±:.20	00.57	\$4 or measur\$4 or calculat\$4 or approximat\$4 or determin\$4 or	,07	ı
2003/05/20 17.26	TEDAT	מס מניני מס פוול מס ליבוומד מס סדוני מס סדונים	797	٦

4/22/04 1:49:29 PM

Page 5

	TBW_TDB	same (modif\$4 var\$5 chang\$4))) and (382/103.ccls. 382/106.ccls.		
	EPO; JPO;	obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch		
2003/11/17 17:08	USPAT;	oile or auto or easur\$4 or calcu		ı
	TRW_TUB	correlat\$4) same (modif\$4 var\$5 chang\$4))		
	EPO; JPO;	or sl		
10000	US-PGPUB;	vehicle) same ((estimat\$4 or measur\$4 or calculat\$4 or approx	•	.
2003/11/17 17:08	IISDAT:	same (modif\$4 Var\$5 chang\$4))) and 382/104.ccls. 2 382/\$.ccls. and (((car or automobile or auto or truck or bus or wan or		ı
	IBM_TDB	r\$4 match\$4 o		
	EPO; JPO;	obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch		
2003/11/1/ 1/:0/	USPAT;	or truck or bus or van or veni		I
		same (modif\$4 var\$5 chang\$4))) and 382/103.ccls.		
	IBM_TDB	r\$4 match\$4		
	EPO; JPO;	obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch	-	
2003/11/18 10:40	USPAT;	or truck or bus or van or vehi		1
	 	same (modif\$4 var\$5 chang\$4))		
	IBM TDB	or roll\$4))) same ((stor\$4 memor\$4) same (compar\$4 match\$4 or bank or pitch		
	US-PGPUB;	calculat\$4 or approximat\$4 or det	•	
2003/11/17 17:06	USPAT;	van or	7	1
	EPO	slant\$4 or tilt\$4 or bank or pitch or roll\$4))		
2003/11/17 17:02	USPAT;	(car or vehicle) near4 ((estimat\$4 or measur\$4 or calculat\$4 or	1952	1
	IBM_TDB	or roll\$4))		
	EPO; JPO;	obtain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch		
2003/11/17 17:03	USPAT;	(car or automobile or auto or truck or bus or van or vehicle) same	7962	1
	IBM_TDB			
	EPO; JPO;			
2003/11/17 16:5	USPAT;	3 348/118.ccls.	123	1
	IBM TDB			
	US-PGPUB;		-	
2003/11/17 16:59	USPAT;	0 348/169.ccls.	480	1
	IBM TDB			
	EBO: TBO:			
2003/11/17 16:58	USPĀT;	9 356/3.ccls.	539	1
	IBM TDB			
	EBO: TBO:			
2003/11/17 16:56	USPAT;	9 382/108.ccls.	149	ı
	IBM TOB			
	US-PGPUB;			
F000/ ++/ +/ +0.00				

correlat\$4) and (modif\$4 var\$5 chang\$4)) not (((318/580.ccis. and (car or automobile or auto or truck or bus or van or vehicle)) and ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4 or determin\$4 or obtain\$4) with (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4))) and ((stor\$4 memor\$4) and (compar\$4 match\$4 correlat\$4) and (modif\$4 var\$5 chang\$4)))
(compar\$4 matcn\$4
at\$4 or approximat\$4 or slant\$4 or tilt\$4
(compar>4 marcn>4
uck or bus or van or or approximat\$4 or slant\$4 or tilt\$4 or
ε\$4 or approximat\$4 or slant\$4 or tilt\$4 or
automobile or auto or truck or bus or van or or measur\$4 or calculat\$4 or approximat\$4 or tilt\$4 or the contract or the contract of the contra
"5532674" "6017102"
truck or bus or van or tilt\$4 or bank or pitch
or bus or van or
<pre>! (((car or automobile or auto or truck or bus or van or !stimat\$4 or measur\$4 or calculat\$4 or approximat\$4 or :ain\$4) near4 (inclinat\$6 or slope or slant\$4 or tilt\$4 or roll\$4))) same ((stor\$4 memor\$4) same (compar\$4 match\$4 (modif\$4 var\$5 chang\$4)))</pre>

4/22/04 1:49:29 PM

Page 7

	1	ı	1	ı	ı	ı	ı	I	ı	1	1 1		
	0	N	0	p	2	ω	30	59	1244	357	80		U
	<pre>farm\$4 and crop\$4 and vehic144 and camera\$3 and road</pre>	("6487303" "6041274" "5638116").pn. and (judg\$4)	("6487303" "6041274" "5638116").pn. and ((speed\$3 velocit\$4)) and (obstacle)	("6487303" "6041274" "5638116").pn. and (obstacle)	(("4924153" "6041274" "5969969").pn.) and (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4)	crelat\$4) and (modif\$4 var\$5 chang\$4))) 1924153" "6041274" "5969969").pn.	correlat\$4) and (modif\$4 var\$5 chang\$4))) ((701/28.ccls. and ((estimat\$4 or measur\$4 or calculat\$4 or approximat\$4 or determin\$4 or obtain\$4) with (inclinat\$6 or slope or slant\$4 or tilt\$4 or hank or nitch or roll\$4))) and ((stor\$4 memor\$4) and (compar\$4 match\$4	<pre>ls. and ((estimat\$4 \$4 or obtain\$4) witl pitch or roll\$4)))</pre>	701/23.ccls.	701/28.ccls.	N. "5006988" "5036935" "5321614" "5343206" "5969969" "6166573" Tw	le or auto or truck or bus or vehicle)) and or calculat\$4 or approximat\$4 or determin\$4 or obtain or slope or slant\$4 or tilt\$4 or bank or pitch or real memor\$4) and (compar\$4 match\$4 correlat\$4) and (moo	or determin\$4 or obtain\$4) with (inclinat\$6 or slope or slant\$4 or tilt\$4 or bank or pitch or roll\$4)) and ((stor\$4 memor\$4) and (compar\$4 match\$4 or bank or pitch or roll\$4))) and ((stor\$4 memor\$4) and (corpar\$4 match\$4 or bank or pitch or roll\$4)))
US-PGPUB; EPO; JPO; IBM TDB	IBM_TDB USPAT;	IBM TDB USPAT; US-PGPUB; EPO: IPO:	IBM TDB USPAT; US-PGPUB; EPO; JPO;	IBM TDB USPAT; US-PGPUB; EDO: JDO:	IBM TDB USPAT; US-PGPUB; EPO: JPO:	IBM_TDB USPAT; US-PGPUB;	USPAT; USPAT; US-PGPUB;	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	EPO; JPO; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	USPAT; US-PGPUB;	USPAT USPAT		US-PGPUB; EPO; JPO; IRM TDR
	2004/04/12 14:53	2003/11/23 15:19	2003/11/23 15:16	2003/11/23 15:19	2003/11/18 16:12	2003/11/18 16:11	2003/11/18 16:12	2003/11/18 14:42	2003/11/18 14:37	2003/11/18 14:37	2003/11/18 13:18 2003/11/18 13:18		2003/11/10 14:3/